

# CALIFORNIA SEA GRANT PROGRAM 2010 NSGO REVIEW

Jim Murray

# California State Sea Grant

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CA SG



# Program Management

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CA SG

## □ Management Team

- ▣ Director, Russell Moll (1.000 FTE)
- ▣ Assistant Director, Shauna Oh (1.000 FTE)
- ▣ Interim Director For Extension, Rick Starr (.750 FTE)
- ▣ Communications Director, Marsha Gear (1.000 FTE)
- ▣ Business Manager, Catherine Hughes (1.000 FTE)
- ▣ Business Mgr. for Extension, Kim Beaird (.750 FTE)

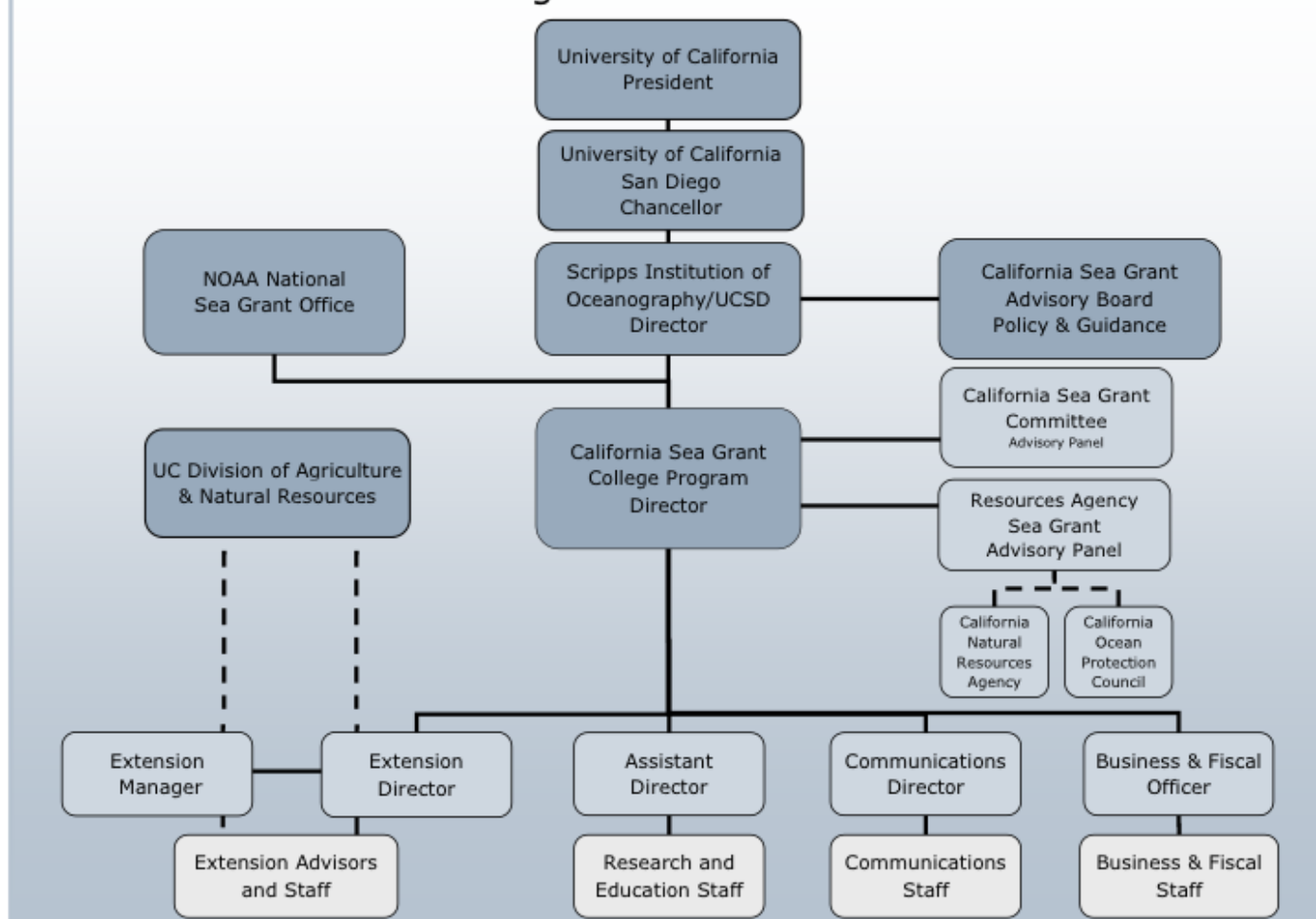
# Program Organizational Chart

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CA SG



## California Sea Grant College Program Organizational Chart



# Extension Program

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- Integral part of management team
  - ▣ SG Extension Director formerly Program Leader in ANR, 75/25 Program adm./research split
  - ▣ 10 FTEs, housed at county offices and at 2 UC Davis departments
  - ▣ ~\$1M per year (federal and match), over past 6 years have received \$5M in leveraged funds

# Program Management & Advisory Board

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CASG

- CASG Advisory Board meets biannually
- CASG management team meets biannually with the Resources Agency Sea Grant Advisory Panel (RASGAP), which gives 17 state resource agency managers input into the program's research and outreach project selection process.
- The program's Science Committee meets twice a year to review and comment on preliminary and full research proposals. Its membership is comprised almost entirely of topical experts from outside California

# Institutional Setting

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CA SG

- In transition, in recent years, SG reported to VP for Research for the U. of CA system in Oakland
- Presently, arrangements are being made to move the reporting to the Vice Chancellor of Marine Studies/Director of the Scripps Institution of Oceanography, University of California, San Diego where the CA SG administrative office is physically located

# State Sea Grant Program Plan – Estimated 4-yr Budget Allocation by Focus Area

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CA SG

National Focus Area	Focus Area from Program Strategic Plan	Estimated Level of Effort of Federal, Match and Leveraged (%)	Estimated Level of Effort of Federal and Match (\$)	Estimated Level of Effort of Leveraged (\$)
Safe & Sustainable Seafood Supply		19%	\$5,812,330	\$623,324
Sustainable Coastal Development		16%	\$2,497,440	\$2,978,107
Healthy Coastal Ecosystems		44%	\$9,272,389	\$5,619,232
Hazard Resiliency in Coastal Communities		8%	\$1,161,600	\$1,385,166
*New technologies/products		*4%	\$1,474,907	-
*Effective response to climate change		*9%	\$3,013,335	-
Total			\$23,232,001	\$10,605,829



# Performance Measure/Outcome Highlights

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CASG

- HCE – Completion of Humboldt Bay physical impacts of sea level rise outreach products, wetlands assessment, coastal infrastructure handbook and community climate change adaptation plan (4).
- Managers make informed decisions about management and design of marine protected areas and fisheries (CASG research informs policy and management in at least 3 MPAs).
- Planners understand how to control aquatic invasive species carried on boat bottoms, while minimizing pollution from antifouling paints (10).
- SSS - # of commercial or recreational fishermen who modify fishing operations to collect data needed for management (10).
- SCD - Coastal communities make decisions clearly based on human dimensions (HD) data (4).

# Major Partners

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CA SG

- Hundreds listed, many SG network partnerships
- Major partners include:
  - ▣ CA Ocean Protection Council (\$3.2M since 2006)
  - ▣ CA Natural Resources Agency (RASGAP; ~\$150K/yr)
  - ▣ CA Ocean Science Trust (Director served as Chair of Board of Trustees 2003-2009)
  - ▣ CA Dept of Fish & Game (MLPA RFP \$400K; MPA Baseline Proposal RFPs \$6.275M since 2007, joint publications)
  - ▣ CALFED Bay-Delta Science Program (Science Fellows Program for pre & postdoctoral researchers, \$9.2M since 2003)
  - ▣ Korea Sea Grant Programs (3 MOUs with 3 of 6 Korea SG Programs)

# Network Activities - 2009

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CA SG

- Russell Moll, HCE Focus Team, PIE evaluation committees, SGA External Relations Committee
- Shauna Oh, Knauss Fellows Selection Panel
- Paul Olin, SSSS Focus Team
- Monique Myers, SG CCD Network
- Monique Myers and Susan Schlosser, SG Climate Change Network

# 2010 RFP Process

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CA SG

- ▣ 106 (7) preliminary proposals, reviewed by two committees, RASGAP and the California Sea Grant Committee – 29 encouraged, 27 (3) submitted
- ▣ RFP includes priorities from California Ocean Protection Council's Focused Research and Outreach Initiative
- ▣ Minimum three external mail-in reviews per proposal
- ▣ Science Committee rates proposals
- ▣ Management Team makes final proposal decisions
- ▣ Management Team advises OPC for OPC-supported projects
- ▣ 8 proposals funded by SG
- ▣ 1 Integrated Focused Research and Outreach Initiative Funded by OPC

# 2008/2009 Program Metrics – Awards and Honors

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CA SG

- 2008 Blue Pencil and Gold Screen Award in the Individual Document Editing category, National Association of Government Communicators
- Hermes Creative Awards Gold Winner for Web site writing and content
- 2008 Apex Award for Publication Excellence for Web and Intranet Site Content and Writing from Communications Concepts
- Magnum Opus Publications Management 2008 Silver Award for “Best Web Site Navigation”
- Silver Award from the League of American Communications Professionals for excellence on the development of “You Hold Their Future in Your Hands” brochure
- Bronze Awards from the League of American Communications Professionals for the redesigned newsletter, one in the “most improved” category
- 2008 Outstanding Member of the Year award by the Institute of Fisheries Technologists International Division
- 2008 Professional Achievement award recipient from the Chinese American Food Society
- 2008 recipient of the Earl P. McFee Award presented annually by the Atlantic Fisheries Technologists
- 2009 Award for Excellence in Adhesion Science from the Adhesion Society
- University of California 2008 Mildred Mathias Award for the outstanding proposal in the natural sciences.
- 2008 Distinguished Lecture Award from the Consortium for Ocean Leadership
- 2009 Fellow of the American Academy for the Advancement of Sciences

# 2008/2009 Highlights of Metrics

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CA SG

- 88 Peer-reviewed journal articles, book chapters
- 21 SG supported theses
- 358 other communications products
- 35 new students supported (5 Knauss Fellows)
- 5,420 volunteer hours

# 2008/2009 Program Impacts

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CASG

- HCE- Baseline studies used to monitor and plan for MPAs
- HCE- New surf-zone model predicts waves and currents to inform beach closures due to contamination events
- SSS- Established seaweed farming as a viable means for growing abalone food in California
- SCD- CASG research results support local efforts to reduce coastal water contamination from untreated septic discharges
- SCD- CASG studies have assessed status of and economic prospects for local commercial fisheries helping harbor managers, fishermen and others plan for sustainable businesses

# 2008/2009 Research Impacts

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- Sea Grant researcher Carolyn Friedman developed an oral antibiotic treatment that protects farmed abalone from the withering syndrome--a "wasting" disease that ruined \$1.5 million worth of product during the 1997-98 El Nino. The antibiotic therapy, added to feed and based on FDA-approved oxytetracycline, will prevent such catastrophic losses in the future
- Ronald Hedrick, determined cause of a disease at state's white seabass hatchery that led to the destruction of thousands of fish: a rickettsial pathogen called *Piscirickettsia salmonis*, infamous for plaguing salmon farms. Before this Sea Grant research, the consensus within the scientific community was that *P. salmonis* could infect only salmon.
  - ▣ finding highlights the potential for farms to infect wild fish and vice versa
  - ▣ hatchery now tests juvenile seabass for *P. salmonis* before releasing them
  - ▣ The molecular tools advanced in this project, including the development of an early detection test, can easily be adapted for large-scale commercial use
  - ▣ A vaccine for the disease is currently under development



# Best Management Practices

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CA SG

- ❑ Ocean Protection Council joint RFP
- ❑ CALFED Fellows Program
- ❑ State Fellows Program
- ❑ Central Coast of California RFP for MPA Baseline Characterization
- ❑ North Central Coast of California RFP for MPA Baseline Characterization
- ❑ MOUs with 3 Korea Sea Grant Programs